

**Key:** IEEE JNL = IEEE Journal or Magazine, IEEE JNL = IEE Journal or Magazine, IEEE CNF = IEEE Conference, IEEE CNF = IEE Conference, IEEE STD = IEEE Standard

**1. Simulation and animation of sensor-driven robots**

ChuXin Chen; Trivedi, M.M.; Bidlack, C.R.;  
Robotics and Automation, IEEE Transactions on  
Volume 10, Issue 5, Oct. 1994 Page(s):684 - 704  
IEEE JNL

**2. Calibrated virtual reality supported by stereo vision in intelligent robot control system**

Toth, E.; Tel, F.;  
Industrial Electronics, 1999. ISIE '99. Proceedings of the IEEE International Symposium on  
Volume 1, 12-16 July 1999 Page(s):287 - 292 vol.1  
IEEE CNF

**3. Virtual environments for robotics education: an extensible object-oriented platform**

Demetriou, G.A.; Lambert, A.H.;  
Robotics & Automation Magazine, IEEE  
Volume 12, Issue 4, Dec. 2005 Page(s):75 - 91  
IEEE JNL

**4. Systems approach to robotics and automation**

Freund, E.; Rossmann, J.;  
Robotics and Automation, 1995. Proceedings., 1995 IEEE International Conference on  
Volume 1, 21-27 May 1995 Page(s):3 - 14 vol.1  
IEEE CNF

**5. Developing telerobotic systems using virtual reality concepts**

Trivedi, M.M.; Chen, C.X.;  
Intelligent Robots and Systems '93, IROS '93. Proceedings of the 1993 IEEE/RSJ International Conference on  
Volume 1, 26-30 July 1993 Page(s):352 - 359 vol.1  
IEEE CNF

**6. Internet-Based Teaching and Experiment System for Control Engineering Course**

Min Wu; Jin-Hua She; Gui-Xiu Zeng; Ohyama, Y.;  
Industrial Electronics, IEEE Transactions on  
Volume 55, Issue 6, June 2008 Page(s):2386 - 2396  
IEEE JNL

**7. Hybrid Educational Strategy for a Laboratory Course on Cognitive Robotics**

Bulu, C.;  
Education, IEEE Transactions on  
Volume 51, Issue 1, Feb. 2008 Page(s):100 - 107  
IEEE JNL

8. **Real-time control of robot manipulators in the presence of obstacles**  
Kheradpir, S.; Thorp, J.S.;  
Robotics and Automation, IEEE Journal of [see also IEEE Transactions on Robotics and Automation]  
Volume 4, Issue 6, Dec. 1988 Page(s):687 - 698  
IEEE JNL

---

9. **A Case Study on Programming Intelligent Swarm Robots Using Pyro Environment and Player/Stage Simulator**  
Byung-Jun Lee; Jeong-Hoon Ji; Gyun Woo;  
Convergence and Hybrid Information Technology, 2008. ICHIT '08. International Conference on  
28-30 Aug. 2008 Page(s):3 - 6  
IEEE CNF

---

10. **Teleoperation System of the Internet-based Omnidirectional Mobile Robot with A Mounted Manipulator**  
Dawei Wang; Jiangqiang Yi; Dongbin Zhao; Guosheng Yang;  
Mechatronics and Automation, 2007. ICMA 2007. International Conference on  
5-8 Aug. 2007 Page(s):1799 - 1804  
IEEE CNF

---

11. **Exploiting force feedback in pilot training and control of an underwater robotics vehicle: an implementation in LabVIEW**  
Xunzhang Wang; Seet, G.G.L.; Lau, M.W.S.; Low, E.; Tan, K.C.;  
OCEANS 2000 MTS/IEEE Conference and Exhibition  
Volume 3, 11-14 Sept. 2000 Page(s):2037 - 2042 vol.3  
IEEE CNF

---

12. **Proceedings. 1998 IEEE International Conference on Robotics and Automation (Cat. No.98CH36146)**  
Robotics and Automation, 1998. Proceedings. 1998 IEEE International Conference on  
Volume 1, 16-20 May 1998  
IEEE CNF

---

13. **Improving on the use of industrial CAD and simulation packages in teaching automation and robotics**  
Sanders, D.A.;  
Electronic CADMAT in Teaching, IEE Colloquium on  
17 Jun 1991 Page(s):7/1 - 7/5  
IEE CNF

---

14. **Robustly Stable Adaptive Control of a Tandem of Master&#8211;Slave Robotic Manipulators With Force Reflection by Using a Multiestimation Scheme**  
Ibeas, A.; De La Sen, M.;  
Systems, Man, and Cybernetics, Part B, IEEE Transactions on  
Volume 36, Issue 5, Oct. 2006 Page(s):1162 - 1179  
IEEE JNL

---

15. **Platform-based embedded software design and system integration for autonomous vehicles**  
Horowitz, B.; Lieberman, J.; Ma, C.; Koo, T.J.; Sangiovanni-Vincentelli, A.; Sastry, S.S.;  
Proceedings of the IEEE  
Volume 91, Issue 1, Jan. 2003 Page(s):198 - 211  
IEEE JNL

---

16. **Real-time vision feedback for servoing robotic manipulator with self-tuning controller**  
Koivo, A.J.; Houshangi, N.;  
Systems, Man and Cybernetics, IEEE Transactions on  
Volume 21, Issue 1, Jan.-Feb. 1991 Page(s):134 - 142  
IEEE JNL

**17. Task planning and action coordination in integrated sensor-based robots**

Chen, C.X.; Trivedi, M.M.;  
Systems, Man and Cybernetics, IEEE Transactions on  
Volume 25, Issue 4, April 1995 Page(s):569 - 591  
IEEE JNL

**18. XAnimate: an educational tool for robot graphical simulation**

Marhefka, D.W.; Orin, D.E.;  
Robotics & Automation Magazine, IEEE  
Volume 3, Issue 2, June 1996 Page(s):6 - 14  
IEEE JNL

**19. Dynamic sensor-based control of robots with visual feedback**

Weiss, L.; Sanderson, A.; Neuman, C.;  
Robotics and Automation, IEEE Journal of [legacy, pre - 1988]  
Volume 3, Issue 5, Oct 1987 Page(s):404 - 417  
IEEE JNL

**20. A Distributed Control and Simulation System for Dual Arm Mobile Robot**

Cao Qixin; Zhang Zhen; Gu Jiajun;  
Computational Intelligence in Robotics and Automation, 2007. CIRA 2007. International Symposium on  
20-23 June 2007 Page(s):450 - 455  
IEEE CNF

**21. SICE '99. Proceedings of the 38th SICE Annual Conference. International Session Papers (IEEE Cat. No.99TH8456)**

SICE Annual, 1999. 38th Annual Conference Proceedings of the  
28-30 July 1999  
IEEE CNF

**22. An approach to robot off-line programming and simulation for flexible manufacturing systems**

Boopathy, S.; Radhakrishnan, V.;  
Industrial Automation and Control, 1995 (I A & C'95), IEEE/IAS International Conference on (Cat. No.95TH8005)  
5-7 Jan. 1995 Page(s):461 - 466  
IEEE CNF

**23. A study of simulation and collision detection techniques of flexible manufacturing cells**

Fu Yili; Ma Yulin; Ma Yunhui; Zao Chunxia; Wang Shuguo; Cai Hegao;  
Industrial Technology, 1994. Proceedings of the IEEE International Conference on  
5-9 Dec. 1994 Page(s):322 - 324  
IEEE CNF